

## **ABSTRACT**

Disclosed is a thermogelling biodegradable aqueous polymer solution useful in providing a bioactive agent delivery system. The present invention provides a thermogelling biodegradable aqueous polymer solution with a polyethylene glycol (PEG) block and a biodegradable polyester block, where the blocks are linked to form a polymer of a general structure comprising the formula of  $A_n(B)$ , where  $n$  is greater than 2 and  $A$  is selected from the group consisting of a polyethylene glycol block and a biodegradable polyester block,  $B$  is selected from the group consisting of a polyethylene glycol block and a biodegradable polyester block, and  $A$  is different from  $B$ .